

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:

**April
2005**

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resource

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://wwwoco.water.ca.gov>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Rewvisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of the publication date.
It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of April 2005.

Statewide precipitation from October 1, 2004, through April 30, 2005, was about 135 percent of average compared to 90 percent at this time for the 2003-04 water year. Precipitation during April was 100 percent of average statewide highest on the North Coast at 150 percent and lowest in the South Lahontan and Colorado River Desert Region for the month.

Statewide runoff for the 2004-05 water year through April was about 80 percent of average compared to 90 percent at this time in 2004. Statewide runoff during April was 101 percent of average for the month. Measured runoff for the Sacramento River and San Joaquin River areas and streams was 1.82 million acre-feet during April. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "http://cdec.water.ca.gov/snow_rain.html".

Snow pack water content dropped only slightly in the northern and central Sierra during the month and stood at about 150 percent of average for May 1 overall or 120 percent of average for April 1. In 2004 the snow pack on May 1 was only 50 percent of average.

Special Conditions were placed on Pyramid Lake on Tuesday April 19, 2005, to limit the maximum elevation to 2573.00 feet through May 1, 2005, due to oil clean up. On the same day, special conditions were placed on O'Neill Forebay to maintain a minimum elevation of 219.00 feet Monday thru Friday and 219.50 feet on weekends and holidays for the San Luis Sailboard Safety Patrol through October 31, 2005.

On Saturday, April 16, 2005, the Preliminary Earthquake Alert was activated. The quake was felt at San Joaquin and Southern Field Division. The inspection criteria were adhered to at all sites with no reported damage.

On April 30, total storage in major SWP reservoirs was about 4.45 MAF, compared with about 4.65 MAF at this time in 2004. The average monthly storage for the year in the major SWP reservoirs at the end of April was about 3.98 MAF. End of month storage at Lake Oroville was about 2.84 MAF as compared to 3.05 MAF in 2004. The State's share of San Luis Reservoir storage was about 926 TAF, as compared with 939 TAF at this time in 2004. The end of month combined storage in our southern reservoirs was about 678 TAF, compared with about 664 TAF at this time in 2004.

Through April, SWP water deliveries for 2005 were about 1.33 MAF. This is a combination of project, transfer, and exchange waters. This was about 4.7TAF more than that delivered during the same period in 2004.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Mar 31	4997.07	18,239									
1	4997.24	18,380	141	5	0	0	0	0	5	75	
2	4997.42	18,529	149	5	0	0	0	3	8	84	
3	4997.60	18,678	149	5	0	0	0	3	8	83	
4	4997.75	18,803	125	5	0	0	0	3	8	71	
5	4997.90	18,930	127	5	0	0	0	3	8	72	
6	4998.11	19,107	177	5	0	0	0	3	8	97	
7	4998.32	19,285	178	5	0	0	0	3	8	98	
8	4998.56	19,490	205	5	0	0	0	3	8	111	
9	4998.74	19,644	154	5	0	0	0	3	8	86	
10	4998.89	19,773	129	5	0	0	0	3	8	73	
11	4999.06	19,920	147	5	0	0	0	3	8	82	
12	4999.28	20,111	191	5	0	0	0	3	8	104	
13	4999.44	20,251	140	5	0	0	0	3	8	79	
14	4999.61	20,400	149	5	0	0	0	3	8	83	
15	4999.76	20,532	132	5	0	0	0	3	8	75	
16	4999.96	20,709	177	5	0	0	0	3	8	97	
17	5000.24	20,965	256	5	0	0	0	3	8	137	
18	5000.52	21,206	241	5	0	0	0	3	8	130	
19	5000.72	21,385	179	5	0	0	0	3	8	98	
20	5000.90	21,557	172	5	0	0	0	3	8	95	
21	5001.07	21,711	154	5	0	0	0	3	8	86	
22	5001.29	21,911	200	5	0	0	0	3	8	109	
23	5001.59	22,186	275	5	0	0	0	3	8	147	
24	5001.81	22,388	202	5	0	0	0	3	8	110	
25	5001.81	22,388	0	5	0	0	0	3	8	8	
26	5001.81	22,388	0	5	0	0	0	3	8	8	
27	5001.81	22,388	0	5	0	0	0	3	8	8	
28	1/ 5002.05	22,611	223	5	0	0	1	3	9	121	
29	5002.30	22,844	233	5	0	0	20	4	29	146	
30	5002.49	23,022	178	5	0	0	44	4	53	143	
Total cfs-days				- - -	150	0	0	65	89	305	
Total ac-ft				4,783	298	0	0	129	177	604	
										5,387	

1/ Adjusted Lake Monometer to match Lake Staff Gauge

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right				
Mar 31	5567.15	28,321								
1	5567.18	28,352	31	2	0	0	0	0	2	
2	5567.12	28,290	-62	2	0	0	0	30	32	
3	5,567.13	28,300	10	2	0	0	0	0	2	
4	5,500.00	28,300	0	2	0	0	0	1	3	
5	5567.06	28,228	-72	2	0	0	0	36	38	
6	5567.25	28,414	186	2	0	0	0	0	2	
7	5567.49	28,674	260	2	0	0	0	0	2	
8	5567.50	28,684	10	2	0	0	0	1	3	
9	5567.65	28,841	157	2	0	0	0	1	3	
10	5567.71	28,903	62	2	0	0	0	1	3	
11	5567.77	28,966	63	2	0	0	0	1	3	
12	5567.73	28,924	-42	2	0	0	0	19	21	
13	5567.84	29,040	116	2	0	0	0	1	3	
14	5567.94	29,145	105	2	0	0	0	1	3	
15	5568.09	29,306	161	2	0	0	0	1	3	
16	5568.12	29,338	32	2	0	0	0	1	3	
17	5568.21	29,433	95	2	0	0	0	1	3	
18	5568.41	29,645	212	2	0	0	0	1	3	
19	5568.47	29,709	64	2	0	0	0	1	3	
20	5568.60	29,848	139	2	0	0	0	1	3	
21	5568.71	29,965	117	2	0	0	0	1	3	
22	5568.79	30,051	86	2	0	0	0	1	3	
23	5568.91	30,180	129	2	0	0	0	1	3	
24	5569.06	30,342	162	2	0	0	0	1	3	
25	5569.11	30,396	54	2	0	0	0	1	3	
26	5569.27	30,569	173	2	0	0	0	1	3	
27	5569.36	30,667	98	2	0	0	0	1	3	
28	5569.46	30,776	109	2	0	0	0	1	3	
29	5569.63	30,962	186	2	0	0	0	1	3	
30	5569.76	31,115	153	2	0	0	0	1	3	
Total cfs-days				---	60	0	0	108	168	
Total ac-ft				2,794	119	0	0	214	333	
1/ Last Chance Creek Water District										
3,127										

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/				
Mar 31	5764.47	47,719								
1	5764.53	47,895	176	9	0	0	0	11	20	
2	5764.62	48,159	264	10	0	0	0	10	20	
3	5764.73	48,484	325	10	0	0	0	10	20	
4	5764.79	48,662	178	10	0	0	0	10	20	
5	5764.85	48,840	178	10	0	0	0	11	21	
6	5764.95	49,137	297	10	0	0	0	10	20	
7	5765.09	49,557	420	10	0	0	0	10	20	
8	5765.18	49,826	269	10	0	0	0	10	20	
9	5765.25	50,036	210	10	0	0	0	10	20	
10	5765.29	50,156	120	10	0	1	0	10	21	
11	5765.38	50,427	271	9	0	0	0	11	20	
12	5765.48	50,729	302	10	0	0	0	10	20	
13	5765.55	50,941	212	10	0	0	0	10	20	
14	5765.62	51,154	213	10	0	0	0	10	20	
15	5765.65	51,245	91	10	0	0	0	11	21	
16	5765.75	51,550	305	10	0	0	0	10	20	
17	5765.87	51,918	368	10	0	0	0	10	20	
18	5766.01	52,349	431	10	0	0	0	10	20	
19	5766.05	52,472	123	10	0	0	0	10	20	
20	5766.09	52,596	124	10	0	1	0	10	21	
21	5766.14	52,751	155	9	0	0	0	11	20	
22	5766.22	52,999	248	10	0	0	0	10	20	
23	5766.33	53,342	343	10	0	0	0	10	20	
24	5766.39	53,529	187	10	0	0	0	11	21	
25	5766.45	53,717	188	10	0	0	0	10	20	
26	5766.51	53,905	188	10	0	0	0	10	20	
27	5766.59	54,157	252	10	0	0	0	10	20	
28	5766.66	54,378	221	10	0	0	0	11	21	
29	5766.71	54,536	158	10	0	0	0	10	20	
30	5766.76	54,726	190	10	0	1	0	10	21	
Total cfs-days				---	297	0	3	0	307	
Total ac-ft				7,007	589	0	6	0	608	
									4,139	
									8,210	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow						Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Deliveries to Lime Saddle Marina	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Mar 31	822.64	2,457,703									
	1	823.26	2,465,291	7,588	8,980	0	0	113	0	9,093	0
	2	824.51	2,480,641	15,350	2,172	0	0	105	0	2,277	0
	3	825.94	2,498,282	17,641	0	0	0	132	0	132	0
	4	827.33	2,515,515	17,233	1,236	0	0	0	0	1,236	0
	5	828.51	2,530,210	14,695	784	0	0	13	0	797	0
	6	829.25	2,539,455	9,245	2,663	0	0	180	0	2,843	0
	7	830.52	2,555,378	15,923	1,852	0	0	147	0	1,999	0
	8	832.05	2,574,653	19,275	1,489	0	0	87	0	1,576	0
	9	833.52	2,593,268	18,615	45	0	0	27	0	72	0
	10	834.83	2,609,936	16,668	42	0	0	135	0	177	0
	11	835.85	2,622,965	13,029	1,771	0	0	136	0	1,907	0
	12	836.72	2,634,115	11,150	2,727	0	0	123	0	2,850	0
	13	837.86	2,648,774	14,659	1,205	0	0	130	0	1,335	0
	14	838.63	2,658,708	9,934	3,292	0	0	124	0	3,416	0
	15	839.50	2,669,962	11,254	2,200	0	0	138	0	2,338	0
	16	840.33	2,680,729	10,767	1,936	0	0	138	0	2,074	0
	17	841.24	2,692,562	11,833	1,822	0	0	152	0	1,974	0
	18	842.30	2,706,392	13,830	1,079	3	0	132	0	1,214	0
	19	843.19	2,718,041	11,649	2,084	4	0	202	0	2,290	0
	20	844.13	2,730,384	12,343	827	6	0	202	0	1,035	0
	21	844.92	2,740,787	10,403	2,238	6	0	182	0	2,426	0
	22	845.68	2,750,821	10,034	3,080	6	0	190	0	3,276	0
	23	846.74	2,764,859	14,038	752	6	0	148	0	906	0
	24	847.86	2,779,746	14,887	688	6	0	28	0	722	0
	25	848.83	2,792,685	12,939	1,468	6	0	78	0	1,552	0
	26	849.69	2,804,192	11,507	2,232	7	0	142	0	2,381	0
	27	850.48	2,814,791	10,599	3,805	7	0	136	0	3,948	0
	28	851.30	2,825,823	11,032	4,333	7	0	101	0	4,441	0
	29	851.93	2,834,319	8,496	6,411	7	0	101	0	6,519	0
	30	852.49	2,841,886	7,567	7,055	7	0	144	0	7,206	0
Total				384,183	70,268	78	0	3,666	0	74,012	0
458,195											

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

April 2005

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
Mar 31	23,088										
1	24,152	1,064	8,980	512	0	7,134	4	4	1,253	0	-33
2	24,092	-60	2,172	512	0	1,432	4	4	1,261	0	-43
3	23,424	-668	0	511	0	128	4	4	1,269	0	226
4	23,829	405	1,236	514	0	120	4	4	1,265	0	48
5	23,778	-51	784	513	0	115	4	4	1,253	0	28
6	23,982	204	2,663	513	0	1,737	4	4	1,251	0	24
7	23,857	-125	1,852	513	0	1,360	4	4	1,255	0	133
8	24,112	255	1,489	513	0	684	4	4	1,259	0	204
9	23,442	-670	45	513	0	130	4	4	1,255	0	165
10	22,651	-791	42	503	0	0	4	4	1,255	0	-73
11	23,792	1,141	1,771	501	0	0	4	4	1,249	0	126
12	23,928	136	2,727	513	0	2,062	4	4	1,255	0	221
13	23,738	-190	1,205	445	0	536	4	4	1,259	0	-37
14	23,852	114	3,292	327	0	2,252	4	4	1,259	0	14
15	23,396	-456	2,200	167	0	1,584	4	4	1,259	0	28
16	24,296	900	1,936	195	0	132	4	4	1,253	0	162
17	24,067	-229	1,822	327	0	1,216	4	4	1,261	0	107
18	23,714	-353	1,079	418	0	549	4	4	1,259	0	-34
19	24,580	866	2,084	493	0	523	4	4	1,261	0	81
20	24,158	-422	827	514	0	612	4	4	1,255	0	112
21	23,618	-540	2,238	514	0	1,936	4	4	1,255	0	-93
22	23,433	-185	3,080	459	0	2,328	4	4	1,251	0	-137
23	23,374	-59	752	516	0	126	4	4	1,261	0	68
24	23,267	-107	688	516	0	128	4	4	1,265	0	90
25	23,859	592	1,468	515	0	128	4	5	1,261	0	7
26	23,307	-552	2,232	516	0	2,055	4	5	1,247	0	11
27	23,898	591	3,805	515	0	2,274	4	5	1,289	0	-157
28	23,406	-492	4,333	514	0	4,113	4	5	1,259	0	42
29	23,201	-205	6,411	514	0	5,899	4	5	1,251	0	29
30	23,450	249	7,055	420	0	5,861	3	5	1,251	0	-106
Total		362	70,268	14,016	0	47,154	119	126	37,736	0	1,213

1/ Sum of Thermalito Forebay and Diversion Pool.

4/ Includes 2 AF of entitlement water to Del Oro WD and 117 AF to Cal Water.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Mar 31	132.68	41,634										
1	134.03	46,839	5,205	7,134	0	0	0	0	1,864	0	-65	3,117
2	134.09	47,076	237	1,432	0	0	0	0	1,448	0	253	2,709
3	133.85	46,129	-947	128	0	0	0	0	1,047	0	-28	2,316
4	133.65	45,345	-784	120	0	0	0	0	851	0	-53	2,116
5	133.48	44,684	-661	115	0	0	0	0	835	0	59	2,088
6	133.74	45,697	1,013	1,737	0	0	0	0	861	0	137	2,112
7	133.84	46,090	393	1,360	0	0	0	0	871	0	-96	2,126
8	133.83	46,050	-40	684	0	0	0	0	871	0	147	2,130
9	133.58	45,073	-977	130	0	0	0	0	863	0	-244	2,118
10	133.41	44,413	-660	0	0	0	0	0	855	0	195	2,110
11	133.24	43,759	-654	0	0	0	0	0	853	0	199	2,102
12	133.52	44,840	1,081	2,062	0	0	0	0	855	0	-126	2,110
13	133.43	44,491	-349	536	0	0	0	0	855	0	-30	2,114
14	133.78	45,854	1,363	2,252	0	0	0	0	849	0	-40	2,108
15	133.98	46,642	788	1,584	0	0	0	0	855	0	59	2,114
16	133.85	46,129	-513	132	0	0	0	0	853	0	208	2,106
17	133.84	46,090	-39	1,216	0	0	0	0	853	0	-402	2,114
18	133.76	45,776	-314	549	0	0	0	0	853	0	-10	2,112
19	133.62	45,228	-548	523	0	0	0	0	859	0	-212	2,120
20	133.53	44,878	-350	612	0	0	0	99	869	0	6	2,124
21	133.75	45,736	858	1,936	0	0	0	188	869	0	-21	2,124
22	134.14	47,274	1,538	2,328	0	0	42	139	865	0	256	2,116
23	133.88	46,247	-1,027	126	0	0	125	97	871	0	-60	2,132
24	133.63	45,267	-980	128	0	0	137	125	869	0	23	2,134
25	133.22	43,682	-1,585	128	415	0	184	254	857	0	-3	2,118
26	133.21	43,644	-38	2,055	764	0	246	421	855	0	193	2,102
27	133.06	43,070	-574	2,274	1,079	0	349	555	861	0	-4	2,150
28	133.22	43,682	612	4,113	1,357	0	391	647	1,014	0	-92	2,273
29	133.74	45,697	2,015	5,899	1,686	0	484	760	1,014	0	60	2,265
30	134.07	46,997	1,300	5,861	2,003	0	512	887	1,012	0	-147	2,263
Total		5,363	47,154	7,300	0	2,470	4,170	28,007	0	156	65,743	

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

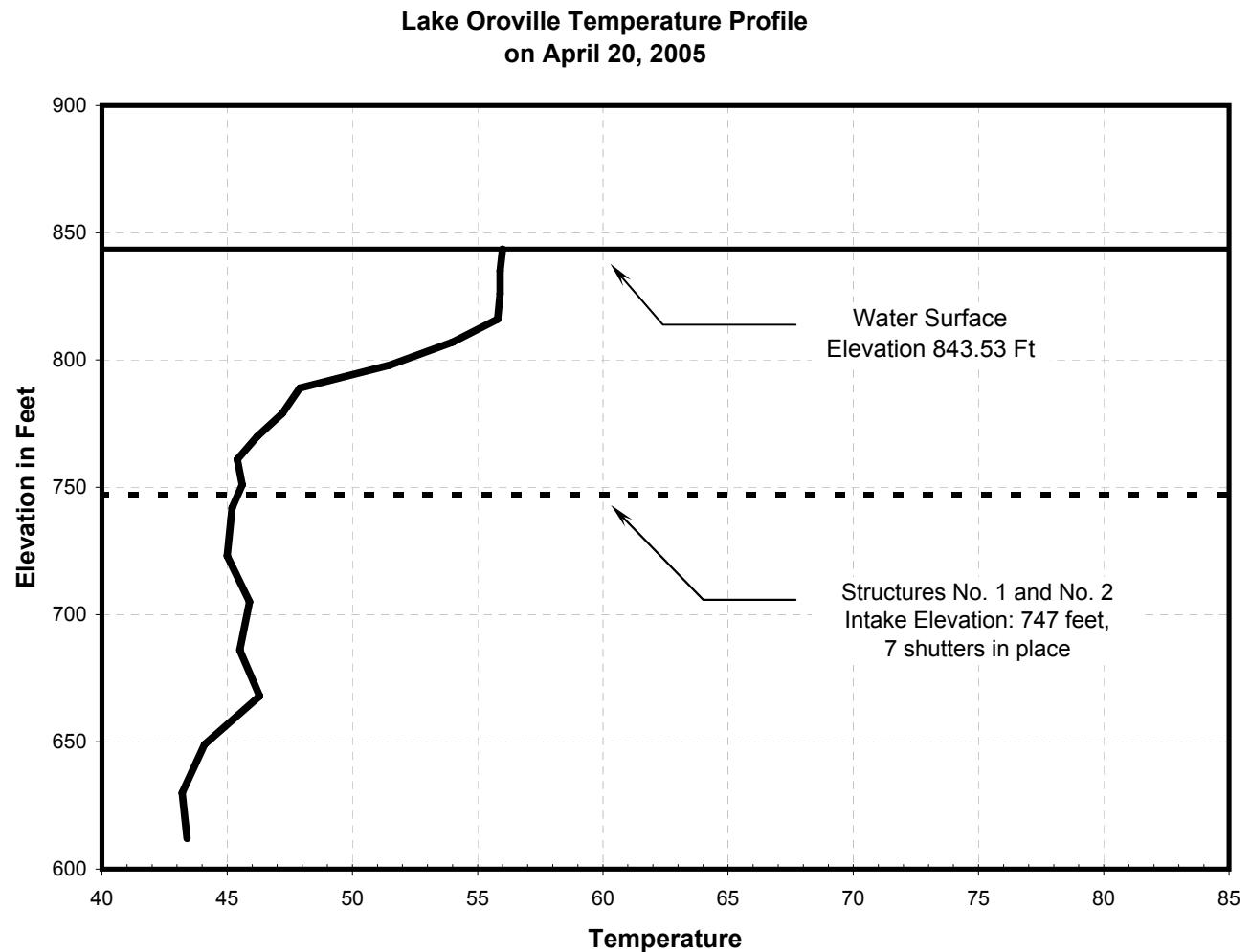
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

April 2005

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	56	50
2	55	49
3	55	49
4	55	49
5	56	50
6	56	50
7	56	50
8	56	50
9	57	49
10	58	49
11	57	50
12	57	49
13	58	49
14	58	49
15	58	49
16	58	50
17	58	49
18	59	50
19	59	50
20	59	51
21	59	51
22	59	50
23	60	50
24	61	50
25	61	50
26	61	50
27	61	50
28	62	50
29	63	49
30	63	49



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries				
	Beginning and Ending				Table A Amount		Art. 21 Water		
	No.	Structure	Mile		M & I	Benicia			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	1,050				
		Travis Surge Tank	8.78						
			8.80	Solano County Water Agency Travis Turnout	193			193	
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	0				
				Solano County Water Agency Fairfield / Vacaville 42"	0				
			17.00	Solano County Water Agency Central Solano	Stub				
2	3A	Cordelia Forebay	21.23						
		Cordelia Pumping Plant & Cordelia Spillway	21.30		824				
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	68	1/ 39		29	
3B	2			Solano County Water Agency Benicia	520	37		483	
		Cordelia Surge Tank	23.33						
		Creston Surge Tank Connection	25.65						
			26.95	Napa County Flood Control & WCD American Canyon 2	0				
			27.27	Napa County Flood Control & WCD American Canyon 3	0				
		Napa Terminal Tank	27.58	City of Napa	101	101			
			27.60	Napa County Flood Control & WCD American Canyon 1	135	135			

1/ Includes 3 AF of Napa Co. FC&WCD entitlement through Solano Co.'s turnout for delivery to American Canyon and 36 AF of Solano Co. Water Agency entitlement to City of Vallejo

Table 9. Delta Field Division Plant Data

(in acre-feet)

April 2005

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	12	9	7,982	7,982	204	0	0	112
2	6	9	6,833	6,833	250	0	0	117
3	7	4	8,662	8,662	232	0	0	86
4	16	12	9,770	9,770	132	0	0	106
5	32	23	9,770	9,770	82	0	0	66
6	30	21	10,782	10,782	122	0	0	20
7	38	30	11,239	11,239	122	0	0	27
8	33	24	11,721	11,721	110	0	0	27
9	32	27	11,728	11,728	98	0	0	51
10	24	24	11,677	11,677	114	0	0	53
11	28	23	11,665	11,665	113	0	0	57
12	39	28	11,677	11,677	141	0	0	19
13	31	20	11,164	11,164	163	0	0	24
14	39	30	11,580	11,580	167	0	0	30
15	30	21	12,707	12,707	197	0	0	29
16	24	22	11,873	11,873	220	0	0	22
17	28	23	7,853	7,853	250	0	0	34
18	24	21	4,779	4,779	275	0	0	19
19	31	22	5,064	5,064	275	0	0	0
20	44	31	4,975	4,975	289	0	0	12
21	52	41	6,870	6,870	335	0	0	19
22	65	40	6,380	6,380	337	0	0	15
23	52	50	4,182	4,182	335	0	0	0
24	36	34	2,891	2,891	328	0	0	0
25	44	38	2,269	2,269	315	0	0	12
26	49	33	1,970	1,970	335	0	0	23
27	49	37	1,214	1,214	441	0	0	19
28	54	45	1,507	1,507	427	0	0	21
29	46	36	1,460	1,460	408	0	0	39
30	55	46	1,465	1,465	433	0	0	19
Total	1,050	824	223,709	223,709	7,250	0	0	1,078

Table 10. Clifton Court Forebay

Daily Operation of Gates

April 2005

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	8:15	11:13	12:30					7,928
2	0:01	9:45							7,910
3	0:01	12:30	20:30	21:15					7,585
4	2:00	3:00	7:00	13:45	16:00	18:40			9,899
5	1:15	9:20	12:35	14:45	18:30	19:40			9,899
6	2:00	9:35	14:35	15:30	18:30	21:27			10,890
7	2:45	12:14	14:45	16:15	19:00	22:24			10,894
8	0:01	4:30	7:30	13:00	16:00	22:12			11,893
9	0:02	5:00	8:08	13:45	16:45	21:00			11,901
10	0:01	5:45	8:30	14:30	17:30	22:20			11,892
11	0:03	6:50	9:00	15:15	18:15	22:45			11,867
12	0:05	7:00	9:30	16:00	19:00	23:25			11,871
13	0:05	7:30	10:15	15:55	20:00	---			11,880
14	---	8:45	10:45	15:10	21:15	---			10,399
15	---	10:00	11:45	15:10	21:45	---			11,643
16	---	11:30	12:45	16:15					11,901
17	0:01	8:15							7,925
18	0:02	6:02							4,950
19	0:45	8:00							4,956
20	1:30	9:30							4,949
21	2:00	8:10	14:00	15:45					6,726
22	3:30	12:00							6,531
23	0:01	4:00							4,246
24	0:01	3:45							2,963
25	0:01	4:05							2,270
26	0:10	4:00							2,179
27	0:01	5:30							2,659
28	0:01	5:30							3,058
29	0:01	18:15							3,072
30	0:15	9:30							3,074
Total inflow for the month in AF:									229,810

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	USBR	Local	Loan Water	Dry Year Purchase	
	No.	Structure	Mile							
1		Banks Pumping Plant	3.32	223,709						
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	7,250	6	47			
		Check No. 1	5.95							
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	6					
		Check No. 2	12.01							
	3		12.47	Musco Olive	47					
		Check No. 3	18.29							
	4		22.16	Tracy Golf & Country Club	0					
		Check No. 4	23.99							
	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7		35.22	Turlock Fruit Company Inflow	0					
		Check No. 7	39.91							
2B	8		42.46	Oak Flat Water District-A	14	14	53	15	127	
			42.9	Western Hills WD	53					
			43.81	Oak Flat Water District-B	15					
			44.64	Oak Flat Water District-C	0					
		Check No. 8	45.97							
	9		46.18	Oak Flat Water District-D	127	156	0	0	0	
				Oak Flat Totals:	156					
		Check No. 9	51.3							
	10	Check No. 10	56.86							
	11	Check No. 11	61.4							
	12		66.14	Veteran's Cemetery	1	1				
		Check No. 12	66.71		210,794					

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

April 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Purchase Pool A	Purchase Pool B	Local	Recreation	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	7,250	1	580	5	580	5	
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	1						
	2	Check No. 1	3.91								
		Check No. 2	5.21								
	3		7.21	Zone 7 WA Altamont	0						
2		Check No. 3	9.49	Zone 7 WA Patterson Inflow Exchange Project Water	0	580	5	5	5	5	
4	4	Check No. 4	10.68			13	583	583	583	583	
	5	Check No. 5	12.29								
	6		13.55	Zone 7 WA Wente #1	5						
			14.16	Zone 7 WA Wente #2	0						
			14.31	Zone 7 WA Ising	0						
		Check No. 6	14.65								
	7		14.78	Zone 7 WA Arroyo Mocho Project Water	583						
		Check No. 7	16.38								
	8	Del Valle Branch Pipeline Junction	16.57	Zone 7 WA Wente #3	0						
			16.69	Zone 7 WA Norman Nursery	0						
			16.70	Zone 7 WA Concannon Project Water	13						
			18.63	(Pumped into Lake Del Valle)	0						
				(Flow into South Bay Aqueduct)	1,078						
5	Deliveries through Del Valle Branch Pipeline			Zone 7 WA Arroyo Valle #1 & #2 Project Water	162	27	162	162	162	8	
				Storage Exchanged	0						
				Inflow Exchange	0						
				Lake Del Valle Recreation	8						
				Zone 7 WA Wente #5	27						
6			19.20	Zone 7 WA So. Livermore Project Inflow Released	458	16	458	458	458	72	
				Inflow Exchanged	697						
7	La Costa Tunnel		19.21	Storage Exchanged	72						
				Zone 7 WA Kalthrof Detjens	16						
8	Mission Tunnel		22.50	ACWD Vallecitos Project Water	0	349	458	458	458	696	
				City of San Francisco San Antonio	0						
9	Santa Clara Pipeline		28.97	ACWD - Bayside 1 & 2 Storage Exchanged	349	4,195	4,195	4,195	4,195	4,195	
				Inflow Released	458						
				Inflow Exchange	696						

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

April 2005

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Mar 31	702.80	39,773									
1	702.83	39,794	21	141	0	0	112	0	8	120	0.00
2	702.81	39,780	-14	110	0	0	117	0	7	124	0.00
3	702.91	39,851	71	162	0	0	86	0	5	91	0.00
4	702.97	39,893	42	151	0	0	106	0	3	109	0.52
5	703.04	39,943	50	122	0	0	66	0	6	72	0.00
6	703.15	40,020	77	103	0	0	20	0	6	26	0.00
7	703.26	40,098	78	111	0	0	27	0	6	33	0.34
8	703.42	40,212	114	147	0	0	27	0	6	33	0.10
9	703.61	40,347	135	188	0	0	51	0	2	53	0.22
10	703.72	40,426	79	137	0	0	53	0	5	58	0.00
11	703.77	40,461	35	100	0	0	57	0	8	65	0.00
12	703.87	40,533	72	98	0	0	19	0	7	26	0.00
13	703.93	40,576	43	73	0	0	24	0	6	30	0.00
14	703.99	40,618	42	76	0	0	30	0	4	34	0.00
15	704.04	40,654	36	75	0	0	29	0	10	39	0.00
16	704.08	40,683	29	57	0	0	22	0	6	28	0.00
17	704.11	40,704	21	61	0	0	34	0	6	40	0.00
18	704.15	40,733	29	58	0	0	19	0	10	29	0.00
19	704.18	40,754	21	27	0	0	0	0	6	6	0.00
20	704.22	40,783	29	48	0	0	12	0	7	19	0.00
21	704.25	40,805	22	53	0	0	19	0	12	31	0.00
22	704.27	40,819	14	39	0	0	15	0	10	25	0.00
23	704.33	40,862	43	49	0	0	0	1	5	6	0.03
24	704.37	40,891	29	33	0	0	0	1	3	4	0.08
25	704.40	40,912	21	39	0	0	12	1	5	18	0.00
26	704.41	40,920	8	40	0	0	23	1	8	32	0.00
27	704.44	40,941	21	49	0	0	19	1	8	28	0.00
28	704.47	40,963	22	47	0	0	21	1	3	25	0.18
29	704.47	40,963	0	44	0	0	39	1	4	44	0.01
30	704.48	40,970	7	34	0	0	19	1	7	27	0.00
Total		1,197	2,471	0	0	1,078	8	188	1,274	1.48	

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

April 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generated)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Mar 31	220.32	43,983											
1	219.79	42,609	-1,374	0	903	0	3,794	0	0	5,315	20	-55	
2	218.92	40,381	-2,228	0	931	0	3,228	0	0	5,286	20	24	
3	218.96	40,483	102	0	1,554	0	3,701	0	0	5,505	20	321	
4	220.07	43,334	2,851	0	2,312	0	4,251	0	0	5,003	20	-103	
5	221.20	46,285	2,951	0	2,305	0	5,420	0	0	6,185	20	-32	
6	221.41	46,836	551	0	2,211	0	4,908	0	0	6,773	21	-48	
7	221.58	47,283	447	0	2,107	0	5,331	0	0	7,136	11	-66	
8	221.46	46,968	-315	0	1,652	0	5,795	0	0	7,449	11	-146	
9	221.34	46,653	-315	0	1,373	0	5,887	0	0	7,231	11	-177	
10	221.10	46,023	-630	0	1,455	0	5,610	0	0	7,186	11	-186	
11	222.05	48,517	2,494	0	1,578	0	5,836	0	0	6,218	11	72	
12	222.31	49,208	691	0	1,624	0	5,791	0	0	6,793	11	-263	
13	222.43	49,527	319	0	1,661	0	5,340	0	0	6,821	12	-7	
14	222.42	49,501	-26	0	1,522	0	6,119	0	143	7,224	9	-278	
15	222.35	49,314	-187	0	1,407	0	6,343	0	430	7,243	9	-162	
16	221.57	47,257	-2,057	0	1,432	0	5,888	0	0	8,081	9	-267	
17	219.74	42,480	-4,777	0	1,305	0	3,619	0	0	7,717	9	394	
18	219.85	42,764	284	0	1,273	3,497	2,229	0	0	6,892	9	45	
19	219.20	41,093	-1,671	0	1,270	2,882	1,890	0	0	7,076	9	201	
20	218.60	39,573	-1,520	0	1,136	4,482	2,212	0	0	8,403	10	-183	
21	219.30	41,349	1,776	0	486	7,219	2,958	396	0	8,960	19	-393	
22	219.18	41,042	-307	0	500	5,928	2,795	265	0	8,745	19	-349	
23	219.45	41,733	691	0	1,320	5,890	1,969	0	0	8,592	19	-220	
24	219.67	42,299	566	0	1,764	6,542	1,281	0	0	9,004	19	-279	
25	220.40	44,192	1,893	0	2,138	5,605	919	0	0	7,517	19	-172	
26	221.25	46,416	2,224	0	1,958	5,334	632	0	0	6,696	19	-88	
27	218.69	39,800	-6,616	0	1,330	1,975	701	0	0	7,313	19	-10	
28	219.51	41,887	2,087	0	1,012	5,683	910	0	0	6,418	12	-123	
29	221.14	46,128	4,241	0	1,305	5,410	417	0	0	5,036	12	54	
30	221.58	47,283	1,155	0	1,562	4,968	499	0	0	6,320	14	-113	
Total				3,300	0	44,386	65,415	106,273	661	573	210,138	434	-2,605
Mean cfs				---	0	1,480	2,181	3,542	22	19	7,005	14	-87
Acre-feet				3,300	0	88,034	129,754	210,794	1,310	1,137	416,811	861	-5,163

1/ Pump-in located at Mile 79.67R.

2/ Includes 58 AF delivered to DFG at O'Neill Forebay and 1 AF to Cattle.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

April 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Mar 31	543.14	2,029,615							
1	543.13	2,029,488	-127	0	0	28	0	-36	
2	543.10	2,029,106	-382	0	0	28	0	-165	
3	543.09	2,028,979	-127	0	0	27	0	-37	
4	543.09	2,028,979	0	0	0	22	0	22	
5	543.07	2,028,725	-254	0	0	11	0	-117	
6	543.05	2,028,471	-254	0	0	21	0	-107	
7	543.03	2,028,217	-254	0	0	22	0	-106	
8	543.01	2,027,963	-254	0	0	21	0	-107	
9	543.01	2,027,963	0	0	0	19	0	19	
10	542.99	2,027,708	-255	0	0	21	0	-108	
11	542.98	2,027,581	-127	0	0	21	0	-43	
12	542.96	2,027,327	-254	0	0	24	0	-104	
13	542.94	2,027,073	-254	0	0	27	0	-101	
14	542.92	2,026,819	-254	143	0	48	0	-223	
15	542.94	2,027,073	254	430	0	49	0	-253	
16	542.94	2,027,073	0	0	0	77	0	77	
17	542.91	2,026,692	-381	0	0	69	0	-123	
18	542.37	2,019,836	-6,856	0	3,497	66	0	106	
19	541.88	2,013,621	-6,215	0	2,882	63	0	-188	
20	541.17	2,004,628	-8,993	0	4,482	43	0	-9	
21	540.06	1,990,597	-14,031	0	7,219	46	0	191	
22	539.13	1,978,868	-11,729	0	5,928	47	0	62	
23	538.22	1,967,414	-11,454	0	5,890	48	0	163	
24	537.20	1,954,603	-12,811	0	6,542	34	0	117	
25	536.34	1,943,825	-10,778	0	5,605	29	0	200	
26	535.50	1,933,317	-10,508	0	5,334	40	0	76	
27	535.20	1,929,569	-3,748	0	1,975	38	0	123	
28	534.30	1,918,340	-11,229	0	5,683	40	0	62	
29	533.50	1,908,378	-9,962	0	5,410	25	0	413	
30	532.70	1,898,434	-9,944	0	4,968	66	1	22	
Total			-131,181	573	65,415	1,120	1	-174	
Mean cfs			---	19	2,181	37	0	-6	
Acre-feet			-131,181	1,137	129,754	2,218	1	-345	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 1313 AF, San Benito: 905 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

April 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant			San Felipe Project	
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	10,543	8,003	0	0	0	0	55
2	10,485	7,971	0	0	0	0	56
3	10,919	8,571	0	0	0	0	53
4	9,923	7,400	0	0	0	0	44
5	12,267	8,627	0	0	0	0	21
6	13,435	9,777	0	0	0	0	42
7	14,154	10,514	0	0	0	0	43
8	14,776	11,131	0	0	0	0	42
9	14,343	10,700	0	0	0	0	37
10	14,254	10,559	0	0	0	0	42
11	12,334	8,619	0	0	0	0	42
12	13,474	10,920	0	0	0	0	47
13	13,530	10,965	0	0	0	0	53
14	14,328	11,789	0	0	284	-3	96
15	14,366	11,830	0	0	853	8	97
16	16,028	13,467	0	0	0	0	152
17	15,307	12,749	0	0	0	0	136
18	13,670	11,140	6,937	6,937	0	0	131
19	14,036	11,522	5,717	5,717	0	0	124
20	16,668	14,189	8,891	8,891	0	0	85
21	17,773	16,295	14,319	14,319	0	0	91
22	17,345	14,873	11,759	11,759	0	0	94
23	17,043	14,602	11,682	11,682	0	0	95
24	17,859	15,431	12,977	12,977	0	0	67
25	14,910	12,410	11,118	11,118	0	0	58
26	13,282	10,780	10,579	10,579	0	0	79
27	14,505	12,018	3,917	3,917	0	0	76
28	12,731	10,241	11,273	11,273	0	0	79
29	9,988	7,473	10,730	10,730	0	0	50
30	12,535	10,008	9,855	9,855	0	0	131
Total	416,811	334,574	129,754	129,754	1,137	5	2,218

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

April 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Mar 31	329.15	21,215					
1	329.28	21,277	62	31	0	0	0.5
2	329.38	21,325	48	24	0	0	0.4
3	329.47	21,368	43	22	0	0	-0.6
4	329.56	21,411	43	22	0	0	-0.6
5	329.66	21,459	48	24	0	0	0.4
6	329.74	21,497	38	19	0	0	0.3
7	329.78	21,517	20	10	0	0	0.2
8	329.87	21,560	43	22	0	0	-0.6
9	330.10	21,671	111	56	0	0	-0.1
10	330.23	21,734	63	32	0	0	-0.5
11	330.32	21,777	43	22	0	0	-0.6
12	330.39	21,811	34	17	0	0	0.3
13	330.43	21,830	19	10	0	0	-0.8
14	330.48	21,855	25	13	0	0	-0.8
15	330.54	21,884	29	15	0	0	-0.8
16	330.60	21,913	29	15	0	0	-0.8
17	330.62	21,923	10	5	0	0	0.1
18	330.66	21,942	19	10	0	0	-0.8
19	330.68	21,952	10	5	0	0	0.1
20	330.70	21,962	10	5	0	0	0.1
21	330.73	21,976	14	7	0	0	0.1
22	330.75	21,986	10	5	0	0	0.1
23	330.78	22,000	14	7	0	0	0.1
24	330.80	22,010	10	5	0	0	0.1
25	330.83	22,025	15	8	0	0	-0.9
26	330.85	22,035	10	5	0	0	0.1
27	330.86	22,039	4	2	0	0	0.0
28	330.90	22,059	20	10	0	0	0.2
29	330.94	22,078	19	10	0	0	-0.8
30	330.97	22,093	15	8	0	0	-0.9
Total			878	446	0	0	-6.7
Mean cfs			---	15	0	0	---
Acre-feet			878	885	0	0	-7

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

April 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Mar 31	602.60	826					
1	602.60	826	0	2	0	2	0
2	602.60	826	0	2	0	2	0
3	602.60	826	0	2	0	2	0
4	602.60	826	0	2	0	2	0
5	602.60	826	0	2	0	2	0
6	602.60	826	0	1	0	1	0
7	602.60	826	0	1	0	1	0
8	602.60	826	0	1	0	1	0
9	602.60	826	0	1	0	1	0
10	602.60	826	0	1	0	1	0
11	602.60	826	0	1	0	1	0
12	602.60	826	0	1	0	1	0
13	602.60	826	0	1	0	1	0
14	602.60	826	0	1	0	1	0
15	602.60	826	0	1	0	1	0
16	602.60	826	0	1	0	1	0
17	Not Observed			1	0	1	
18	602.60	826	0	1	0	1	0
19	602.60	826	0	1	0	1	0
20	602.55	823	-3	0	0	1	-1
21	602.55	823	0	1	0	1	0
22	602.55	823	0	1	0	1	0
23	602.55	823	0	1	0	1	0
24	602.55	823	0	1	0	1	0
25	602.55	823	0	1	0	1	0
26	Not Observed			1	0	1	
27	602.55	823	0	1	0	1	0
28	602.55	823	0	1	0	1	0
29	602.60	826	3	6	0	4	-1
30	602.60	826	0	4	0	4	0
Total			0	42	0	41	-2
Mean cfs			---	1	0	1	---
Acre-feet			0	83	0	81	-2

1/ Not available on a daily basis

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

April 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		210,794						
3A		San Luis Reservoir		Department of Parks and Recreation	1	1,313	0	1	0		
				San Felipe Division Santa Clara Water District	1,313						
				San Felipe Division San Benito Water District	905						
				Reach 3A Total:	2,219		2,218	0	1		
				Department of Parks and Recreation	0			0	0		
3	13	O'Neill Forebay	70.85	Cattle Program	1	32	1	0	0		
				Department of Fish & Game	58						
				San Luis Water District	802		802				
		Thru	70.91	(Floodwater Inflow)	0	0	32	26			
				Dos Amigos Pumping Plant	416,811						
				Reach 3 Total:	861	802	0	32	27		
	14		89.03 Thru 94.06	San Luis Water District	5,349	5,349	32	0			
				Pacheco Water District	675		675				
				Panoche Water District	32						
				City of Dos Palos	97		97				
				Check No. 14	95.06						
4	15		98.15 Thru 104.20	San Luis Water District	540	540	1	0			
				Panoche Water District	2,996		2,996	0			
				(Floodwater Inflow)	0						
				Broadview Water District	1						
				Westlands Water District	7,155		7,155	0			
			102.64 Thru 108.64								
				Check No.15	108.50						
				Reach 4 Total:	16,845	16,845	0	0	0		
				San Felipe Division Total:	2,218	2,218	0	0	0		
				Pacheco Water District Total:	675	675	0	0	0		
				Broadview Water District Total:	1	1	0	0	0		
				City of Dos Palos Total:	97	97	0	0	0		
				SLWD Reach 4 Subtotal:	5,889	5,889	0	0	0		
				Panoche Water District Total:	3,028	3,028	0	0	0		
				SLWD Total:	6,691	6,691	0	0	0		
				Westlands WD Reach 4 Subtotal:	7,155	7,155	0	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			USBR	Transfer 1/	DWR Recreation	USBR Recreation				
	No.	Structure											
5	16		110.52	(Reverse flow, Kings River)	0	11,972	12	10					
			Thru	Westlands Water District	11,972								
			122.05	Department of Fish and Game	22								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	9,360	9,360	12	10					
			Thru										
		Check No. 17	132.95										
	18		133.81	Westlands Water District	11,738	11,738	12	10					
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	8,570								
			143.16	City of Coalinga	438								
		Check No. 18	143.23										
				Reach 5 Total:	42,100	42,078	0	12	10				
6	19		145.26	Kings County to Lemoore Naval Air Station	172	15,295	172						
			Thru	Westlands Water District	15,295								
			151.19										
		Check No. 19	155.64			15,295	172	0	0				
				Reach 6 Total:	15,467								
7	20		156.34	City of Huron	98	9,466	98						
			156.40	Westlands Water District	9,466								
			Thru										
			163.69										
		Check No. 20	164.69			4,403	218						
	21		164.79	City of Avenal	218								
			167.04	Westlands Water District	4,403								
			Thru										
			171.67										
		Check No. 21	172.40		334,298								
				Reach 7 Total:	14,185	14,185	0	0	0				
				Westlands WD Total:	77,959	77,959	0	0	0				
				City of Coalinga Total:	438	438	0	0	0				
				City of Huron Total:	98	98	0	0	0				
				Kings County to Lemoore Naval Air Station	172	0	172	0	0				
				City of Avenal Total:	218	218	0	0	0				
				Total San Luis Field Division Deliveries:	91,677	91,423	172	45	37				

1/ Long-term POD from County of Kings to Lemoore Naval Air Base.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

April 2005

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	Pools 14 & 15 2/	Pool 15	Pools 15 thru 21 3/	Flow Past Check 21	
Mar 31	28,041								
1	28,441	400	0	5,315	118	55	1,341	3,639	39
2	27,329	-1,112	0	5,286	118	55	1,341	4,533	201
3	28,744	1,415	0	5,505	118	55	1,341	3,610	333
4	28,530	-214	0	5,003	118	55	1,341	3,901	304
5	28,838	308	0	6,185	118	55	1,341	4,758	242
6	28,921	83	0	6,773	120	61	1,341	5,429	220
7	28,474	-447	0	7,136	111	35	1,139	6,308	231
8	29,048	574	0	7,449	111	35	1,139	6,055	181
9	29,282	234	0	7,231	111	35	1,139	6,122	294
10	29,450	168	0	7,186	111	35	1,139	6,354	538
11	29,067	-383	0	6,218	111	35	1,139	5,197	71
12	29,234	167	0	6,793	111	35	1,139	5,448	25
13	28,919	-315	0	6,821	111	35	1,139	5,732	37
14	29,484	565	0	7,224	112	49	1,159	5,694	75
15	29,411	-73	0	7,243	112	49	1,159	5,847	-113
16	29,213	-198	0	8,081	112	49	1,159	6,746	-115
17	29,088	-125	0	7,717	112	49	1,159	6,640	180
18	28,943	-145	0	6,892	112	49	1,159	5,747	102
19	28,241	-702	0	7,076	112	49	1,159	6,073	-37
20	28,321	80	0	8,403	113	55	1,159	6,750	-286
21	28,849	528	0	8,960	109	63	1,639	7,018	135
22	29,231	382	0	8,745	109	63	1,639	6,860	119
23	29,327	96	0	8,592	109	63	1,639	6,927	195
24	29,477	150	0	9,004	109	63	1,639	7,441	324
25	30,003	526	0	7,517	109	63	1,639	5,663	222
26	29,273	-730	0	6,696	109	63	1,639	5,236	-17
27	28,778	-495	0	7,313	110	68	1,643	5,810	68
28	29,889	1,111	0	6,418	107	50	1,391	4,564	254
29	28,761	-1,128	0	5,036	107	50	1,391	4,249	192
30	29,916	1,155	0	6,320	108	51	1,392	4,189	1
Total		1,875	0	210,138	3,358	1,527	39,782	168,539	4,013
Mean cfs		---	0	7,005	112	51	1,326	5,618	134
Acre-feet		1,875	0	416,811	6,661	3,028	78,908	334,298	7,959

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 674 AF AG & 1 AF M&I to Pacheco W.D. and 97 AF to the City of Dos Palos and 5,889 AF to San Luis WD.

3/ Includes 98 AF to the City of Huron, 218 AF to the City of Avenal, 438 AF to the City of Coalinga, 172 AF to Lemoore N.A.S. @30L, 1 AF to Broadview WD, 22 AF to DFG for Pilobos Wildlife @ 4L, and 77,959 AF to WWD.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

April 2005

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	208	208	58	54	60	2,372	2,114	1,890	1,884
2	283	283	63	59	66	2,472	2,021	1,883	1,841
3	156	156	77	72	81	2,622	2,429	2,285	2,280
4	109	109	40	37	41	2,707	2,771	2,656	2,603
5	228	228	59	54	62	3,100	2,768	2,653	2,603
6	247	247	75	69	77	4,574	4,490	4,238	4,561
7	195	195	58	53	61	6,131	6,059	5,784	5,789
8	193	193	75	70	76	5,926	5,758	5,477	5,424
9	226	226	56	52	59	6,289	6,385	6,162	6,138
10	138	138	58	53	60	7,173	7,433	7,150	7,120
11	135	135	62	57	65	5,031	5,246	5,024	4,969
12	243	243	60	55	62	5,626	5,478	5,169	5,100
13	272	272	61	56	62	5,458	5,451	5,203	5,155
14	213	213	71	66	73	6,153	5,976	5,687	5,609
15	190	190	82	76	84	6,046	5,994	5,711	5,611
16	247	247	81	77	85	7,351	7,376	7,083	7,084
17	201	201	102	93	105	7,772	8,159	7,837	7,948
18	173	173	61	56	62	5,853	5,764	5,491	5,425
19	333	333	84	79	86	5,774	5,507	5,183	5,159
20	371	371	89	83	91	5,917	6,002	5,492	5,316
21	379	379	91	85	93	6,229	6,133	5,794	5,753
22	359	359	90	84	92	6,432	6,166	5,861	5,761
23	487	487	87	82	89	7,716	8,120	7,811	7,869
24	288	288	96	89	100	7,720	7,591	7,295	7,118
25	184	184	64	59	67	5,620	5,786	5,510	5,450
26	231	231	78	73	80	4,590	4,571	4,258	4,206
27	284	284	85	79	85	4,590	4,201	3,969	3,915
28	206	206	88	83	90	3,576	3,534	3,311	3,245
29	178	178	86	80	87	3,350	3,293	3,093	3,036
30	373	373	70	65	72	3,352	3,594	3,382	3,320
Total	7,330	7,330	2,207	2,050	2,273	157,522	156,170	148,342	147,292

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

April 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			Table A Amount	USBR	Article 21	Unscheduled	Other			
	No.	Structure											
7	21	Check No. 21	172.40		334,298								
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	1,268	37 108 209 1 1,214 2 671	7,150 11,556	1,231 1/ 100 2/ 576					
				County of Kings TL - A	0								
				TLBWSD TL-A	7,250								
				175.18 DRWD - 1	684								
				177.54 DRWD - 1B	209								
				180.64 TLBWSD - C	0								
				180.65 DRWD - 1A	1								
				182.99 DRWD - 2	1,214								
				183.00 Tulare Lake Basin WSD TL - B	11,556								
				184.00 DRWD - Paramount	2								
31A				184.63 Coastal Branch	7,330								
8D				Dudley Ridge Water Dist. DRWD - 3	671								
				Dudley Ridge Reach 8D Total:	2,781	2,205	0	0	0	576			
				Tulare Lake Basin WSD Total:	18,806	0	0	18,706	0	100			
		Check No. 22	184.82										
9	23		189.69	Kern County Water Agency Lost Hills Water Dist. - 1	2,559	2,559 579 162 3,300	0	0	0	0			
				Kern County Water Agency Lost Hills Water Dist. - 2	579								
				Kern County Water Agency Lost Hills Water Dist. - 3	0								
				Kern County Water Agency Berrenda Mesa - 2	0								
				Kern County Water Agency Lost Hills Water Dist. - 4	162								
				K.C.W.A. Reach 9 Subtotal:	3,300								
				Check No. 23	197.05								
				201.24 Kern County Water Agency Lost Hills Water Dist. - 7	468								
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	1,129								
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0								
10A	24		205.26	Kern County Water Agency Lost Hills Water Dist. - 8	6								
				Check No. 24	207.94								
				209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	1,475	468 1,129 6 1,475 849 249 0	849 586 586 15,191 15,571 0	0 0 15,191 15,571 0	0 0 0 0 0	0 0 0 0 0			
				209.78 Kern National Wildlife Refuge USBR BV-1B	849								
				Kern County Water Agency Buena Vista WSD 1B	586								
				209.80 KCWA Semitropic WSD	15,440								
				KCWA Semitropic WSD Penstocks	15,571								
				USBR Total:	849								
				K.C.W.A. Reach 10A Subtotal:	34,675								
						3,327	0	31,348	0	0			

1/ Westlands WD exchange.

2/ Non-SWPC surplus transfer to SWPC.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	Recovery of Pump In	Article 21	DRWD Art. 21 2/	MWD Ent.	
	No.	Structure	Mile							
11B	25		210.75	Kern County Water Agency Belridge - 2	0	148	0	2,535		
			214.11	Kern County Water Agency Belridge - 3	148					
			216.62	Kern County Water Agency Belridge - 4	0					
			217.13	Kern County Water Agency Belridge - 5	8,702					
				Kern County Water Agency Belridge - 5D	90					
		Check No. 25	217.79			90	2,535	0	0	
				K.C.W.A. Reach 11B Subtotal:	8,940					
12D	26		219.58	Kern County Water Agency Belridge - 6	0	209				
				Kern County Water Agency West Kern - 3	209					
		Check No. 26	224.92							
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	4,038	48,598			
		Check No. 27	231.73							
	28		235.75	Kern County Water Agency Buena Vista - 2	0					
			238.04	Kern County WA CVC	52,636					
				DRWD CVC	0					
				Tulare Co.	0					
				Lower Tule River	0					
				Fresno Co.	0					
				Pixley ID	0					
				Hacienda DWR Wells	0					
		Check No. 28	238.11							
				1/ Arvin Edison Total:	0	0	0	0	0	
				Reach 12E Subtotal:	52,636	4,038	0	48,598	0	
13B	29		238.19	Kern Water Bank Inflow	33,343	1,561	30,389	2,954		
				Kern Water Bank Outflow	0					
				Kern River Intertie (inflow)	0					
				KCWA Buena Vista WSD - 7	6,247					
				KCWA Buena Vista WSD - 5	14					
				Kern County Water Agency Buena Vista - 3	2,186					
		Check No. 29	244.54	Buena Vista WSD	0					
	30		249.85	Kern County Water Agency Buena Vista - 4	498					
			Buena Vista Pumping Plant	250.99	157,522					
				K.C.W.A. Reach 13B Subtotal:	42,288	1,561	0	37,773	2,954	
				254.47	Kern County Water Agency West Kern - 2	0				
14A	31		256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	64					

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Dudley Ridge Water District sent 2,954 AF of Article 21 water to Kern Water Bank.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

April 2005

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending		No.			Table A Amount	Recovery of Pump In	Article 21	Exchange	MWD Ent.	
	No.	Structure	Mile								
14A	31	Check No. 31	256.14			39					
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	191			152			
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,036	1,036					
		Check No. 32	261.72								
				KCWA Reach 14A Subtotal:	1,291	1,075	0	216	0	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	2,254	2,254					
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	531		531				
	Check No. 33		267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,893	1,893					
		Check No. 34	271.27								
				Reach 14B Total:	4,678	4,678	0	0	0	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	784	784					
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	864						
			277.30	Kern County Water Agency Arvin Edison WSD	40		40				
				Reach 14C Total:	1,688	1,688	0	0	0	0	
	Teerink Pumping Plant		278.13		156,170						
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	266	266					
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	3,101		3,101				
				Reach 15-A Total:	3,367	3,367	0	0	0	0	
	Chrismar Pumping Plant		280.36		148,342						
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0	12					
		Check No. 37	283.95								
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	19	100					
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	100						
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
	Check No. 38		287.09								
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	53	53					
		Check No. 39	290.21								
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	474	474					
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	65						
				Kern County Water Agency Tehachapi Cummings CWD	750						
				K.C.W.A. Reach 16A Subtotal:	1,461	530	220	0	0	0	
17E	Edmonston Pumping Plant		293.45		147,292	1,234	0	227	0	0	

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

April 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	Recovery of Pump In	Article 21	DRWD Art. 21 1/	Purchase Pool B	
	No.	Structure	Mile							
31A	C-1	Coastal Branch Control	0.02		7,330					
		Las Perillas Pumping Plant	1.16		7,330					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		7,330					
	C-3	Coastal Check No. 3	7.21							
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0					
		Coastal Check No. 4	9.34							
	C-5	Coastal Check No. 5	12.20							
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	280			280		
			14.83	Kern County Water Agency Berrenda Mesa - 1	4,676			1,366		
				Kern County Water Agency Berrenda Mesa - PO	0					
		Devil's Den Pumping Plant	14.86		2,207					
				K.C.W.A. Reach 31A Subtotal:	4,956	3,310	0	1,646	0	
				K.C.W.A. Total:	159,489	34,192	0	122,343	2,954	
33A	C-7	Bluestone Pumping Plant	19.05		2,050					
	C-8	Polonio Pass Pumping Plant	26.54		2,273					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,803					
		Tank Site 2	58.63	Central Coast:	0					
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	402					
		Energy Dissipater	78.12							
	Lopez T.O.	85.86		SLOCFC & WCD	0					
35	C-12			CCWA Total:	2,205	2,060	0	145	0	
		Guadalupe T.O.	102.70	SBCFC & WCD	0					
		Santa Maria T.O.	107.43	SBCFC & WCD	0					
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0					
	Tank Site 5	115.42		SBCFC & WCD Total:	0	0	0	0	0	

1/ Dudley Ridge Water District sent 2,954 AF of Article 21 water to Kern Water Bank.

Table 24. Southern Field Division Plant Data

(in acre-feet)

April 2005

Date	West Branch					East Branch								East Branch Extension			
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Bypass & Leakage	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume					
28	1	0	0	0	0	1,710		0	132	1,585	1,550	0	0	2,134	0	0	0
	2	0	0	0	0	1,637		0	159	1,461	1,302	0	0	2,183	0	0	0
	3	0	0	0	0	2,173		0	0	2,027	2,199	0	0	2,140	0	0	0
	4	0	0	0	2,354	0	2,375	0	198	2,353	2,345	0	0	2,356	0	0	4
	5	56	635	43	2,866	0	2,304	0	198	2,561	2,521	0	0	2,476	26	27	4
	6	1,290	1,588	21	3,005	0	2,659	0	200	2,515	2,248	0	0	2,489	0	0	2
	7	3,069	1,699	678	2,819	0	2,618	0	41	2,677	2,570	0	0	2,491	12	12	3
	8	2,572	3,300	411	6,706	0	2,798	0	64	2,748	2,742	0	0	2,673	0	0	2
	9	3,554	3,296	0	2,216	0	2,479	0	57	2,612	2,539	0	0	2,552	0	0	0
	10	3,331	3,296	0	0	0	3,647	0	133	3,301	2,973	0	0	2,580	0	0	0
	11	2,723	3,293	0	5,153	0	2,210	0	72	2,464	2,571	0	0	2,579	0	0	3
	12	2,799	3,292	0	4,202	0	2,357	0	0	2,258	2,168	0	0	2,523	25	26	4
	13	2,794	3,289	0	4,624	0	2,379	0	65	2,170	2,199	0	0	2,522	0	0	2
	14	3,124	3,290	0	2,783	0	2,334	0	112	2,349	2,240	0	0	2,587	25	25	4
	15	3,193	3,288	0	1,458	0	2,330	0	128	2,109	2,134	0	0	2,760	0	0	0
	16	4,171	3,282	0	1,386	0	2,720	0	113	2,806	2,546	0	0	2,604	0	0	0
	17	3,973	2,818	0	2,352	0	3,638	0	340	3,524	3,313	0	0	2,451	0	0	0
	18	2,479	2,676	0	9,186	0	2,514	0	380	2,855	2,837	0	0	2,827	0	0	4
	19	2,801	2,897	0	2,321	0	2,185	0	103	2,461	2,360	0	0	1,650	26	26	3
	20	2,798	3,307	0	2,022	0	2,429	0	103	2,376	2,365	0	0	2,581	0	0	3
	21	3,001	3,303	0	4,733	0	2,674	0	86	2,485	2,454	0	0	2,743	19	20	4
	22	2,987	3,243	0	1,904	0	2,656	0	110	2,693	2,589	0	0	2,869	0	0	0
	23	4,171	3,299	0	3,662	0	3,622	0	9	3,177	3,091	0	0	2,508	0	0	0
	24	4,171	3,232	0	3,817	0	3,006	0	121	2,889	2,777	0	0	2,649	0	0	0
	25	2,346	2,372	0	3,196	0	2,895	0	161	2,911	2,904	0	0	2,791	0	0	4
	26	1,991	2,326	0	429	0	2,072	0	126	2,246	2,090	0	0	2,471	18	18	4
	27	1,334	1,007	0	1,735	0	2,381	0	141	2,235	2,042	0	0	2,385	0	0	0
	28	853	997	0	2,292	171	2,291	0	196	2,345	2,314	0	0	2,282	25	26	0
	29	1,163	994	0	321	0	1,739	0	158	1,739	1,428	0	0	2,346	0	0	0
	30	976	992	0	366	0	2,341	0	0	2,384	2,545	0	0	2,265	0	0	0
	Total	67,720	67,011	1,153	77,908	171	75,173	0	3,706	74,316	71,956	0	0	74,467	176	180	50

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		Natural			
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek			
Mar 31	2577.73	169,553										
1	2577.89	169,759	206	0	0	295	0	0	248	0	159	
2	2577.85	169,708	-51	0	0	248	0	0	248	0	-51	
3	2577.88	169,746	38	0	0	261	0	0	248	0	25	
4	2576.85	168,413	-1,333	0	0	270	2,354	0	248	0	999	
5	2575.43	166,604	-1,809	0	678	266	2,866	0	248	0	361	
6	2574.24	165,092	-1,512	0	1,609	280	3,005	0	214	0	-182	
7	2573.36	163,980	-1,112	0	2,377	300	2,819	0	179	0	-791	
8	2572.12	162,421	-1,559	0	3,711	297	6,706	0	179	0	1,318	
9	2571.51	161,658	-763	0	3,296	299	2,216	0	179	0	-1,963	
10	2573.55	164,220	2,562	0	3,296	294	0	0	165	0	-863	
11	2573.65	164,346	126	0	3,293	295	5,153	0	151	0	1,842	
12	2572.87	163,363	-983	0	3,292	314	4,202	0	151	0	-236	
13	2572.29	162,634	-729	0	3,289	330	4,624	0	151	0	427	
14	2572.60	163,023	389	0	3,290	325	2,783	0	151	0	-292	
15	2574.49	165,409	2,386	0	3,288	318	1,458	0	151	0	389	
16	2576.24	167,639	2,230	0	3,282	323	1,386	0	151	0	162	
17	2576.68	168,203	564	0	2,818	334	2,352	0	151	0	-85	
18	2571.66	161,845	-6,358	0	2,676	333	9,186	0	151	0	-30	
19	2572.15	162,459	614	0	2,897	334	2,321	0	151	0	-145	
20	2572.82	163,300	841	0	3,307	312	2,022	0	151	0	-605	
21	2573.01	163,539	239	0	3,303	304	4,733	0	151	0	1,516	
22	2571.90	162,145	-1,394	0	3,243	304	1,904	0	151	0	-2,886	
23	2571.70	161,895	-250	0	3,299	296	3,662	0	151	0	-32	
24	2571.40	161,520	-375	0	3,232	294	3,817	0	151	0	67	
25	2570.60	160,523	-997	0	2,372	285	3,196	0	151	0	-307	
26	2572.30	162,647	2,124	0	2,326	282	429	0	151	0	96	
27	2571.70	161,895	-752	0	1,007	277	1,735	0	150	0	-151	
28	2571.00	161,021	-874	171	997	326	2,292	0	150	0	74	
29	2571.50	161,645	624	0	994	307	321	0	163	0	-193	
30	2572.30	162,647	1,002	0	992	288	366	0	177	0	265	
Total				-6,906	171	68,164	8,991	77,908	0	5,212	0	-1,112

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Mar 31	1502.52	16,415								
1	1502.90	16,550	135	0	136	0	136	0	135	
2	1503.30	16,694	144	0	134	0	134	0	144	
3	1503.65	16,820	126	0	127	0	127	0	126	
4	1510.31	19,302	2,482	2,354	134	0	134	0	128	
5	1517.80	22,313	3,011	2,866	133	0	133	0	145	
6	1520.47	23,441	1,128	3,005	124	0	124	1,212	-665	
7	1512.90	20,317	-3,124	2,819	110	0	110	5,833	-110	
8	1516.70	21,856	1,539	6,706	102	0	102	5,165	-2	
9	1511.60	19,805	-2,051	2,216	93	0	93	4,275	8	
10	1511.80	19,883	78	0	83	0	83	0	78	
11	1519.90	23,198	3,315	5,153	71	0	71	1,764	-74	
12	1519.30	22,943	-255	4,202	76	0	76	4,440	-17	
13	1522.20	24,187	1,244	4,624	85	0	85	3,367	-13	
14	1520.80	23,583	-604	2,783	76	0	76	3,359	-28	
15	1518.00	22,396	-1,187	1,458	66	0	66	2,621	-24	
16	1513.30	20,476	-1,920	1,386	59	0	59	3,285	-21	
17	1517.50	22,188	1,712	2,352	64	0	64	617	-23	
18	1530.20	27,774	5,586	9,186	71	0	71	3,560	-40	
19	1522.10	24,143	-3,631	2,321	75	0	75	5,906	-46	
20	1522.40	24,274	131	2,022	78	0	78	1,833	-58	
21	1529.30	27,358	3,084	4,733	75	0	75	1,583	-66	
22	1523.50	24,754	-2,604	1,904	71	0	71	4,458	-50	
23	1527.20	26,400	1,646	3,662	63	0	63	1,972	-44	
24	1531.40	28,333	1,933	3,817	56	0	56	1,849	-35	
25	1530.20	27,774	-559	3,196	54	0	54	3,664	-91	
26	1531.50	28,380	606	429	58	0	58	0	177	
27	1528.30	26,900	-1,480	1,735	82	0	82	3,165	-50	
28	1533.20	29,181	2,281	2,292	90	171	90	0	160	
29	1529.70	27,543	-1,638	321	78	0	78	0	-1,959	
30	1527.10	26,355	-1,188	366	72	0	72	1,332	-222	
Total				9,940	77,908	2,596	171	2,596	65,260	-2,537

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Mar 31	1499.11	289,321								
1	1498.55	288,150	-1,171	136	0	125	1,190	0	-242	
2	1497.98	286,962	-1,188	134	0	127	1,243	100	-106	
3	1497.45	285,860	-1,102	127	0	129	1,119	100	-139	
4	1496.74	284,387	-1,473	134	0	127	1,460	100	-174	
5	1495.80	282,444	-1,943	133	0	122	2,005	98	-95	
6	1495.97	282,795	351	124	1,212	119	1,477	96	469	
7	1498.28	287,587	4,792	110	5,833	109	1,240	94	74	
8	1500.16	291,522	3,935	102	5,165	109	1,240	95	-106	
9	1501.63	294,621	3,099	93	4,275	109	1,240	93	-45	
10	1501.03	293,354	-1,267	83	0	109	1,285	99	-75	
11	1501.33	293,987	633	71	1,764	109	1,315	101	105	
12	1502.85	297,208	3,221	76	4,440	107	1,236	103	-63	
13	1503.82	299,274	2,066	85	3,367	102	1,234	103	-151	
14	1504.87	301,520	2,246	76	3,359	102	1,226	105	40	
15	1505.43	302,722	1,202	66	2,621	99	1,226	103	-255	
16	1506.30	304,595	1,873	59	3,285	97	1,579	103	114	
17	1505.61	303,109	-1,486	64	617	97	2,048	105	-111	
18	1506.60	305,243	2,134	71	3,560	94	1,716	103	228	
19	1508.52	309,405	4,162	75	5,906	92	1,517	105	-289	
20	1508.88	310,189	784	78	1,833	87	1,257	105	148	
21	1509.09	310,647	458	75	1,583	92	1,233	198	139	
22	1510.51	313,754	3,107	71	4,458	94	1,226	198	-92	
23	1510.90	314,611	857	63	1,972	92	1,140	198	68	
24	1511.19	315,249	638	56	1,849	97	1,240	200	76	
25	1512.24	317,564	2,315	54	3,664	99	1,245	200	-57	
26	1511.64	316,240	-1,324	58	0	94	1,248	202	-26	
27	1512.39	317,896	1,656	82	3,165	87	1,237	202	-239	
28	1511.89	316,791	-1,105	90	0	145	1,279	202	141	
29	1512.19	317,454	663	78	0	112	1,244	202	1,919	
30	1512.31	317,719	265	72	1,332	98	1,292	200	255	
Total				28,398	2,596	65,260	3,181	40,237	3,913	1,511

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

April 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Rec.	Local	Transfer 2/	Flexible Payback	
	No.	Structure	Mile								
29A	42	Oso Pumping Plant	1.49		67,720						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved						
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
		Warne Power Plant	14.07	(Does not include 1,153 AF of Bypass flow)	67,011						
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0						
			14.10	United Water Conservation Dist.	0						
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0						
		Castaic Power Plant	25.82	(171 AF pumpback) 2/	77,908						
29J	W4	Elderberry Forebay									
		Forebay Dam	28.12								
30 1/	W5	Castaic Lake		Calif. State Park Castaic Lake Recreation	33						
		Castaic Dam	31.47								
		Castaic Lake Outlet	31.55	MWD - 78"	8,819						
				MWD - 132"	29,367						
				Castaic Lake WA	2,018						
				Castaic Lake WA (MWD)	1,968						
				United Water Conservation Dist.	0						
				MWD - Ventura County FCD	0						
				LA Co. Parks & Recreation	0						
				Releases to Lagoon	3,913						
				Reach 30 Subtotal:	40,237	40,204	33	0	0	0	
	W6	Castaic Lagoon		Recreation to Lagoon	0						
		Castaic Lagoon Outlet	31.87		3,674						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value supplied by LADWP, not verified by DWR.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.	Natural To Mojave River		
Mar 31	3353.76	73,765											
1	3353.14	73,166	-599	1,550	0	117	0	0	2,134	0	203	71	0
2	3352.27	72,331	-835	1,302	0	111	0	1	2,183	0	191	127	0
3	3352.19	72,255	-76	2,199	0	110	1	0	2,140	0	198	-46	0
4	3352.13	72,197	-58	2,345	0	105	0	1	2,356	0	152	1	0
5	3352.30	72,360	163	2,521	0	107	1	0	2,476	0	81	93	0
6	3352.19	72,255	-105	2,248	0	106	3	0	2,489	0	80	113	0
7	3352.24	72,302	47	2,570	0	102	3	0	2,491	0	82	-49	0
8	3352.38	72,436	134	2,742	0	101	3	1	2,673	0	80	48	0
9	3352.38	72,436	0	2,539	0	106	4	0	2,552	0	82	-7	0
10	3352.86	72,897	461	2,973	0	95	4	0	2,580	0	81	58	0
11	3352.78	72,820	-77	2,571	0	95	3	1	2,579	0	81	-79	0
12	3352.64	72,686	-134	2,168	0	90	4	0	2,523	0	80	215	0
13	3352.07	72,140	-546	2,199	0	89	0	0	2,522	0	81	-231	0
14	3351.88	71,958	-182	2,240	0	85	1	0	2,587	0	81	162	0
15	3351.15	71,264	-694	2,134	0	84	0	0	2,760	0	81	-71	0
16	3351.20	71,311	47	2,546	0	78	0	0	2,604	0	81	108	0
17	3352.16	72,226	915	3,313	0	78	0	0	2,451	0	81	56	0
18	3352.24	72,302	76	2,837	0	77	0	0	2,827	0	79	68	0
19	3352.64	72,686	384	2,360	0	81	0	0	1,981	0	82	6	0
20	3352.52	72,571	-115	2,365	0	76	0	0	2,581	0	80	105	0
21	3352.19	72,255	-316	2,454	0	71	0	0	2,743	0	82	-16	0
22	3351.77	71,853	-402	2,589	0	75	1	0	2,869	0	85	-111	0
23	3351.77	71,853	0	3,091	0	70	0	0	2,508	0	76	-577	0
24	3351.77	71,853	0	2,777	0	74	0	0	2,649	0	82	-120	0
25	3352.83	72,868	1,015	2,904	0	74	0	0	2,791	0	82	910	0
26	3352.50	72,551	-317	2,090	0	69	0	0	2,471	0	79	74	0
27	3352.13	72,197	-354	2,042	0	68	0	0	2,385	0	82	3	0
28	3352.38	72,436	239	2,314	0	268	0	0	2,282	0	110	49	0
29	3351.48	71,577	-859	1,428	0	163	0	0	2,346	0	148	44	0
30	3351.71	71,796	219	2,545	0	119	0	0	2,265	0	116	-64	0
Total				-1,969	71,956	0	2,944	28	4	74,798	0	2,979	940
1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Stream Flow.													

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

April 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Mar 31	1585.93	122,129				
1	1585.99	122,265	136		605	
2	1586.18	122,694	429		604	
3	1586.24	122,830	136		579	
4	1586.32	123,011	181		600	
5	1586.51	123,442	431		604	
6	1586.51	123,442	0		595	
7	1586.59	123,624	182		595	
8	1586.73	123,942	318		609	
9	1586.81	124,124	182		605	
10	1586.90	124,328	204		604	
11	1586.95	124,442	114		605	
12	1587.03	124,624	182		605	
13	1587.12	124,829	205		605	
14	1587.23	125,081	252		605	
15	1587.28	125,195	114		604	
16	1587.31	125,263	68		604	
17	1587.34	125,332	69		605	
18	1587.36	125,377	45		675	
19	1587.23	125,081	-296		803	
20	1587.28	125,195	114		803	
21	1587.17	124,944	-251		802	
22	1587.36	125,377	433		803	
23	1587.25	125,126	-251		803	
24	1587.28	125,195	69		802	
25	1587.25	125,126	-69		822	
26	1587.36	125,377	251		823	
27	1587.36	125,377	0		822	
28	1587.45	125,583	206		853	
29	1587.39	125,446	-137		664	
30	1587.36	125,377	-69		286	
Total			3,248	27,445	19,994	-4,203

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

April 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A Amount	Recreation	MWD Exchange	Local	Flexible Payback	
	No.	Structure	Mile							
17E	40	Edmonston Pumping Plant	293.45		147,292	6				
	41		298.65	Kern County Water Agency Tej.-Cas	Stub					
17F		Check No. 41	303.41							
18A	42		304.80	AVEK 320th Street West	6					
		Check No. 42	304.99							
19	43	Alamo Powerplant	305.73	(Does not include 3,706 AF flow down Cottonwood Chute)	75,173	552				
			308.05	Antelope Valley-East Kern WA	0					
		Check No. 43	309.70							
	44		311.84	LADWP Connection	0	111				
			313.50	AVEK 245th Street West	0					
		Check No. 44	314.81							
	45		314.93	AVEK 235th Street West	0	669	0	0	0	
			315.57	AVEK 225th Street West	0					
		Check No. 45	319.74							
	46		323.19	Antelope Valley-East Kern WA Fairmont	552	669	0	0	0	
				Mojave Water Agency Fairmont	111					
		Check No. 46	323.84							
				Reach 18A & 19 Total:	669					
20A	47	Check No. 47	326.77			2,448	44			
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	44					
			329.65	Antelope Valley-East Kern WA 120th Street West	Re- moved					
		Check No. 48	330.82							
	49	Check No. 49	335.93							
	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0		57			
				Antelope Valley-East Kern WA	2,448					
			339.68	Antelope Valley-East Kern WA	57					
20B		Check No. 50	341.51			1,045	15			
	51		342.06	Antelope Valley-East Kern WA Temporary	15					
		Check No. 51	342.07							
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use					
		Check No. 52	343.74							
	53		346.98	PWD Palmdale	1,045		86			
				Antelope Valley-East Kern WA Acton Treatment Plant	86					
21		Check No. 53	348.17			80	49			
	54	Check No. 54	350.25							
	55	Check No. 55	352.70							
	56	Check No. 56	354.76							
			354.97	Littlerock Creek I.D.	0					
22A	57	Check No. 57	356.93			246	246			
	58		357.60	Antelope Valley-East Kern WA	80					
			357.72	Antelope Valley-East Kern WA 96th Street East	49					
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	246					

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

April 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A Amount	Recreation	MWD Exchange	Local	Flexible Payback	
	No.	Structure	Mile								
22B	58	Pearblossom Pumping Plant	360.61		74,316	230					
	59	Check No. 59	366.09								
	60		366.50	Antelope Valley-East Kern WA	0						
		Check No. 60	373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63		389.20	Mojave Water Agency Mojave River	230						
			394.60	Mojave Water Agency Temporary	0						
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
	66		401.10	Mojave Water Agency Morongo 24" and 42"	355						
				Mojave Water Agency Hesperia	0						
		Check No. 66	403.41								
23	67	Mojave Siphon	405.48	Las Flores Ranch	0	28				1/ 0	
		Mojave Siphon Powerplant	405.65		71,956						
24		Silverwood Lake	407.65	Crestline Lake Arrowhead WA Water Agency	28						
				Calif. State Park Silverwood Agency (Rec.)	4		4				
25		San Bernardino Tunnel Intake	407.70		74,798						
	68	Devil Canyon Powerplant	412.73		74,467	21,521					
26A		Devil Canyon Afterbay Control Structures	412.88	MWD-SC Rialto	21,521						
				Desert Water Agency (MWD Wheeling Exchange)	3,810						
				Coachella Valley WD (MWD Wheeling Exchange)	3,300						
				MWD - EBX	13,677						
				East Branch Extension	189						
28G	69	Santa Ana Valley Pipeline	425.46			13,677 2/ 189					
28H			433.06	MWD-SC Box Springs	7,522						
			440.05	MWD-SC Perris Bypass Pipeline	672						
28J		Lake Perris	442.00	MWD-SC 18"	288						
			443.44	MWD-SC 54"	6,664	6,664 13,042					
				MWD-SC 78"	13,042						
				Calif. State Park Lake Perris Recreation	0						
				MWD Total:	108,682	101,572	0	7,110	0	0	

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Stream Flow.

2/ Includes 12 AF to San Gabriel Valley MWD, 124 AF to San Bernardino Valley MWD, and 53 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

April 2005

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	44	132	58	55	67	58	56	53	80
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.09	0.11	0.12	0.16	0.11	0.11	0.09	0.14
Calcium	mg/l	8	18	18	17	19	17	17	15	24
Carbon - Dissolved Organic	mg/l as C	NR	11	4	3	4	4	3	3	5
Carbon - Total Organic	mg/l as C	NR	13	4	4	4	4	4	4	6
Chloride	mg/l	1	42	41	43	54	42	39	35	58
Chromium	mg/l	0.001	0.003	0.001	0.002	0.002	0.002	0.002	0.002	0.002
Copper	mg/l	0.001	0.004	0.002	0.001	0.002	0.002	0.002	0.001	0.003
Fluoride	mg/l	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Hardness	mg/l as CaCO ₃	36	119	86	80	93	80	80	70	113
Iron	mg/l	<0.005	0.049	0.007	0.005	0.011	0.011	0.012	0.010	0.007
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	18	10	9	11	9	9	8	13
Manganese	mg/l	<0.005	0.029	0.010	<0.005	0.008	<0.005	<0.005	<0.005	0.025
Nitrate + Nitrite	mg/l as N	<0.01	0.18	0.59	NR	0.74	0.60	0.56	0.58	1.10
Phosphorus-Ortho	mg/l as P	<0.01	0.12	0.07	NR	0.08	0.07	<0.01	0.07	0.11
Phosphorus-Total	mg/l	0.02	0.18	0.11	NR	0.11	0.11	0.11	0.13	0.12
Selenium	mg/l	<0.001	0.001	0.001	0.001	0.001	<0.001	<0.001	0.001	0.001
Sodium	mg/l	3	52	36	36	41	34	33	31	48
Specific Conductance	µS/cm	91	463	348	355	409	353	335	312	477
Sulfate	mg/l	2	37	43	44	44	44	42	39	58
Total Dissolved Solids	mg/l	52	267.5	199	192	224	194	186	172	265
Turbidity	NTU	7	46	13	14	5	8	9	13	3
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

April 2005

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm									Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
1	2.85	1.06	50,826	50,826	33,385	0.22	0.14	0.18	0.20	0.25	0.27	0.28	0.93	0.31	54
2	2.92	1.24	45,448	48,137	28,901	0.21	0.14	0.18	0.20	0.25	0.27	0.28	0.95	0.29	56
3	2.95	1.40	40,993	45,756	26,032	0.22	0.14	0.18	0.20	0.24	0.27	0.28	0.94	0.30	56
4	2.88	1.26	37,820	43,772	23,917	0.23	0.14	0.18	0.19	0.24	0.26	0.27	0.92	0.29	54
5	2.59	0.88	36,309	42,279	21,941	0.24	0.14	0.19	0.19	0.24	0.26	0.27	0.83	0.31	56
6	2.65	0.99	34,095	40,915	20,690	0.24	0.14	0.20	0.19	0.24	0.25	0.28	0.86	0.31	60
7	2.87	1.33	31,919	39,630	19,971	0.24	0.15	0.21	0.19	0.24	0.25	0.28	0.90	0.30	62
8	2.98	1.37	30,096	38,438	18,769	0.22	0.16	0.21	0.19	0.24	0.25	0.31	0.91	0.30	60
9	3.31	1.11	30,723	37,581	19,252	0.23	0.16	0.21	0.19	0.24	0.25	0.34	0.86	0.34	64
10	2.95	0.98	31,545	36,977	19,893	0.24	0.16	0.21	0.19	0.24	0.25	0.35	0.84	0.35	66
11	3.10	1.15	31,789	36,506	21,066	0.25	0.16	0.22	0.19	0.24	0.25	0.36	0.85	0.37	68
12	3.06	1.23	32,258	36,152	22,089	0.23	0.16	0.22	0.20	0.24	0.24	0.35	0.87	0.36	68
13	2.95	1.09	31,026	35,757	21,099	0.24	0.16	0.21	0.20	0.23	0.24	0.34	0.88	0.35	68
14	2.17	0.73	28,389	35,231	19,268	0.24	0.16	0.21	0.20	0.23	0.24	0.32	0.92	0.33	68
15	2.16	0.92	26,017	34,617	18,724	0.23	0.16	0.20	0.20	0.23	0.24	0.34	0.96	0.32	68
16	2.19	1.05	24,497	33,984	18,029	0.23	0.16	0.21	0.20	0.23	0.24	0.34	0.97	0.34	68
17	2.10	1.13	25,911	33,510	17,670	0.23	0.21	0.21	0.21	0.23	0.24	0.32	0.95	0.34	66
18	2.01	0.91	26,856	33,140	17,138	0.23	0.24	0.20	0.21	0.22	0.24	0.33	0.92	0.34	62
19	2.04	0.80	25,853	32,756	16,527	0.23	0.18	0.20	0.21	0.22	0.23	0.31	0.90	0.33	76
20	2.27	0.87	24,663	32,352	15,626	0.23	0.24	0.20	0.21	0.22	0.23	0.31	0.88	0.33	70
21	2.37	0.80	23,614	31,936	14,846	0.22	0.27	0.21	0.21	0.21	0.23	0.31	0.89	0.32	70
22	2.65	1.09	22,807	31,521	14,321	0.22	0.37	0.21	0.21	0.21	0.23	0.31	0.91	0.33	70
23	3.15	1.23	21,333	31,078	13,092	0.21	0.55	0.21	0.21	0.22	0.23	0.33	0.88	0.34	74
24	3.23	1.22	21,777	30,690	13,283	0.22	0.57	0.21	0.21	0.22	0.23	0.33	0.86	0.33	70
25	3.32	1.25	21,053	30,305	12,471	0.23	0.60	0.21	0.21	0.22	0.22	0.33	0.84	0.33	60
26	3.51	1.38	20,519	29,928	12,319	0.23	0.67	0.21	0.21	0.22	0.22	0.34	0.85	0.34	56
27	3.76	1.65	20,155	29,566	12,102	0.24	0.85	0.21	0.21	0.22	0.22	0.36	0.86	0.36	48
28	3.79	0.00	22,648	29,319	12,787	0.26	0.88	0.22	0.21	0.21	0.22	0.36	0.85	0.33	42
29	3.39	1.43	24,044	29,137	13,759	0.24	0.55	0.21	0.21	0.22	0.22	0.33	0.85	0.35	40
30	3.14	1.40	24,366	28,978	13,828	0.23	0.42	0.21	0.21	0.21	0.22	0.40	0.83	0.33	42

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

N.C. = Not computed due to insufficient data.

r = Excess delta conditions with export/inflow ratio concerns.

dm = Daily Mean

s = Balanced water conditions with storage withdrawals.

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

April 2005

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	March 16, 2005	Simazine	0.24
California Aqueduct At Banks Pumping Plant	March 16, 2005	Simazine Chlorpyrifos Diuron	0.11 0.03 0.68
O'Niell Forebay Outlet Check 13	March 16, 2005	Chlorpyrifos Simazine Diuron	0.02 0.13 0.88
Delta Mendota Canal At McCabe Road	March 16, 2005	Diuron Simazine	0.48 0.05
California Aqueduct Near Kettleman City (Check 21)	March 15, 2005	Simazine Diuron	0.12 0.78
California Aqueduct Near Highway 119 (Check 29)	March 15, 2005	Simazine Diuron	0.15 0.82
California Aqueduct At Tehachapi Afterbay (Check 41)	March 16, 2005	Simazine Diuron	0.20 1.40
Devil Canyon Head Works	March 16, 2005	Diuron Simazine	1.70 0.20

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

April 2005

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	5,287,620	0	2,290	4,680	2,228,570	2,228,570	170,540	450
2	1,161,170	0	1,520	3,610	1,912,830	1,912,830	212,580	450
3	26,400	0	1,520	2,280	2,413,590	2,413,590	196,230	420
4	643,600	0	3,320	5,770	2,716,860	2,716,860	120,540	420
5	419,220	0	5,600	11,050	2,719,030	2,719,030	77,980	410
6	1,443,170	0	5,380	10,100	3,012,780	3,012,780	108,580	460
7	1,049,870	0	6,810	11,980	3,135,530	3,135,530	110,220	420
8	767,210	0	6,350	11,430	3,288,530	3,288,530	99,830	440
9	32,340	0	5,410	10,820	3,292,270	3,292,270	89,970	360
10	33,840	0	4,440	9,860	3,260,870	3,260,870	102,040	350
11	966,050	0	5,100	10,260	3,267,410	3,267,410	101,590	480
12	1,620,700	0	6,870	11,530	3,262,180	3,262,180	120,590	810
13	623,260	0	5,580	9,890	3,241,210	3,241,210	134,900	940
14	1,829,310	0	6,940	12,020	3,241,620	3,241,620	139,010	850
15	1,283,760	0	5,360	9,700	3,559,620	3,559,620	165,030	850
16	1,034,410	0	4,360	10,380	3,333,560	3,333,560	182,120	850
17	1,021,590	0	4,900	10,730	2,214,740	2,214,740	206,220	840
18	562,260	0	4,440	9,740	1,344,250	1,344,250	224,180	890
19	990,990	0	5,540	10,320	1,421,990	1,421,990	224,860	850
20	429,240	0	7,980	13,540	1,393,580	1,393,580	236,850	870
21	1,214,860	0	9,320	14,970	1,926,060	1,926,060	274,640	850
22	1,678,150	0	9,730	16,210	1,777,680	1,777,680	276,480	890
23	398,580	0	9,450	17,840	1,165,130	1,165,130	274,120	850
24	349,070	0	6,490	14,550	813,990	813,990	267,790	840
25	762,650	0	7,840	16,010	640,030	640,030	254,460	880
26	1,333,150	0	8,920	14,030	564,380	564,380	267,660	890
27	2,152,430	2,250	9,040	15,270	356,530	356,530	354,850	890
28	2,619,970	0	9,910	15,790	437,660	437,660	347,220	890
29	3,916,650	0	8,530	15,040	416,680	416,680	332,650	860
30	4,104,900	0	9,860	17,970	422,330	422,330	349,450	860
Total	39,756,420	2,250	188,800	347,370	62,781,490	62,781,490	6,023,180	21,110

Table 36. San Luis Field Division Energy Data

(in kWh)

April 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,427,700	1,083,700	0	0	19,590	19,590
2	1,434,220	1,090,220	0	0	19,480	19,480
3	1,497,630	1,175,630	0	0	18,430	18,430
4	1,352,780	1,008,780	0	0	20,200	20,200
5	1,671,200	1,175,200	0	0	20,410	20,410
6	1,821,760	1,325,760	0	0	20,360	20,360
7	1,928,900	1,432,900	0	0	20,800	20,800
8	2,010,470	1,514,470	0	0	21,150	21,150
9	1,953,180	1,457,180	0	0	19,400	19,400
10	1,944,660	1,440,660	0	0	19,030	19,030
11	1,646,720	1,150,720	0	0	19,540	19,540
12	1,814,340	1,470,340	0	0	19,520	19,520
13	1,814,550	1,470,550	0	0	19,160	19,160
14	1,941,170	1,597,170	0	0	118,280	16,280
15	1,948,440	1,604,440	0	0	322,900	16,900
16	2,152,740	1,808,740	0	0	18,150	18,150
17	2,058,440	1,722,440	0	0	18,150	18,150
18	1,858,360	1,514,360	1,932,980	1,932,980	3,990	3,990
19	1,920,470	1,576,470	1,618,670	1,618,670	6,560	6,560
20	2,312,820	1,968,820	2,471,760	2,471,760	8,080	8,080
21	2,501,780	2,293,780	3,938,000	3,938,000	5,690	5,690
22	2,413,430	2,069,430	3,231,930	3,231,930	7,340	7,340
23	2,401,480	2,057,480	3,202,120	3,202,120	8,160	8,160
24	2,471,480	2,135,480	3,549,350	3,549,350	6,270	6,270
25	2,051,690	1,707,690	2,976,760	2,976,760	5,790	5,790
26	1,826,210	1,482,210	2,863,530	2,863,530	6,450	6,450
27	2,006,250	1,662,250	1,058,430	1,058,430	6,580	6,580
28	1,758,610	1,414,610	3,067,130	3,067,130	5,730	5,730
29	1,365,800	1,021,800	2,901,470	2,901,470	6,620	6,620
30	1,706,120	1,362,120	2,617,030	2,617,030	16,230	16,230
Total	57,013,400	45,795,400	35,429,160	35,429,160	828,040	420,040

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

April 2005

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	16,420	41,810	41,270	39,160	42,040	567,850	560,460	1,182,460	4,221,400
2	21,970	58,820	45,220	42,810	45,860	597,650	532,370	1,170,860	4,135,700
3	12,220	32,320	54,650	51,510	56,190	624,670	637,300	1,383,370	5,120,360
4	8,610	21,740	28,850	27,580	29,590	665,720	744,920	1,621,030	5,910,790
5	17,840	45,700	41,990	39,170	43,510	753,740	729,830	1,617,000	5,916,240
6	19,420	50,370	53,320	50,950	53,530	1,098,310	1,186,270	2,550,170	9,200,120
7	16,030	43,250	41,540	38,490	42,360	1,471,220	1,583,670	3,518,020	13,054,640
8	15,140	40,130	52,670	50,310	53,110	1,428,960	1,506,040	3,312,610	12,233,570
9	17,050	45,310	40,200	37,970	41,380	1,523,250	1,669,150	3,719,880	13,843,630
10	10,280	26,690	41,190	38,200	41,520	1,727,620	1,930,070	4,319,080	16,058,060
11	11,040	26,380	43,470	41,330	44,900	1,212,600	1,373,780	3,065,620	11,226,650
12	19,660	50,980	42,810	40,370	43,470	1,360,090	1,434,950	3,145,770	11,515,370
13	21,300	54,730	43,100	40,460	43,720	1,317,470	1,427,080	3,169,050	11,829,890
14	16,800	43,800	49,830	47,580	50,440	1,486,240	1,564,030	3,440,270	12,662,330
15	14,910	37,410	57,810	54,280	58,230	1,457,690	1,570,770	3,461,710	12,796,790
16	19,330	51,760	57,080	54,990	58,500	1,770,180	1,929,820	4,315,810	15,966,670
17	15,690	41,760	71,390	66,700	72,430	1,874,340	2,138,320	4,770,460	17,889,280
18	13,760	32,550	43,370	41,030	43,590	1,409,170	1,515,990	3,317,500	12,235,890
19	25,750	68,400	58,880	56,060	59,620	1,391,550	1,441,690	3,156,150	11,529,050
20	28,610	73,520	62,010	59,250	62,810	1,436,940	1,512,170	3,336,970	11,991,270
21	29,780	75,170	63,630	60,870	64,150	1,504,960	1,605,160	3,537,940	12,976,200
22	27,500	71,990	62,790	59,750	63,480	1,556,940	1,616,550	3,536,700	12,982,820
23	37,360	98,470	60,690	58,090	61,620	1,868,250	2,129,870	4,761,710	17,718,180
24	21,240	56,560	67,760	63,700	68,560	1,867,030	1,989,400	4,417,930	16,385,220
25	14,590	36,960	44,750	42,710	46,370	1,360,060	1,515,340	3,340,280	12,290,290
26	18,050	46,330	54,530	52,040	55,420	1,109,350	1,197,250	2,604,040	9,493,820
27	21,980	57,300	59,870	56,500	59,130	1,108,760	1,095,490	2,418,550	8,846,330
28	16,030	44,230	61,710	58,650	62,520	863,740	920,670	2,010,730	7,404,910
29	13,240	33,080	59,970	56,740	60,610	805,420	861,790	1,881,410	6,873,660
30	28,410	76,290	49,250	46,950	50,930	813,900	939,850	2,056,560	7,537,890
Total	570,010	1,483,810	1,555,600	1,474,200	1,579,590	38,033,670	40,860,050	90,139,640	331,847,020

Table 38. Southern Field Division Energy Data

April 2005

(in kWh)

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	7,772	0	0	192,375	1,081,376	2,627,225	112,905	599	466	1,060
2	7,752	0	0	186,017	996,720	2,704,717	92,534	471	476	450
3	7,465	0	0	248,744	1,376,810	2,626,889	169,976	462	456	431
4	7,842	0	2,880,000	277,354	1,586,271	2,880,083	180,607	521	466	1,032
5	22,337	368,610	2,880,000	268,542	1,706,949	3,018,028	197,686	17,050	22,770	1,125
6	342,564	969,190	2,880,000	314,587	1,676,181	3,011,125	173,705	530	496	788
7	811,713	1,035,130	2,880,000	310,196	1,782,183	3,042,474	194,937	8,044	10,160	900
8	679,277	1,826,480	2,880,000	334,286	1,820,349	3,224,051	211,630	550	466	694
9	935,584	1,826,930	2,880,000	291,238	1,747,607	3,110,918	187,154	599	476	441
10	875,861	1,829,630	2,880,000	423,269	2,191,037	3,135,206	233,712	599	466	460
11	717,772	1,827,760	2,880,000	258,267	1,644,586	3,113,034	191,278	550	456	929
12	736,594	1,823,120	2,880,000	274,268	1,511,047	3,047,666	162,006	16,608	21,808	1,088
13	734,277	1,817,640	2,880,000	277,324	1,438,664	3,067,553	163,845	481	476	797
14	824,881	1,816,030	2,880,000	271,806	1,558,405	3,167,652	174,090	16,755	21,937	1,144
15	843,059	1,814,250	2,880,000	270,481	1,400,100	3,361,491	160,374	521	496	469
16	1,099,386	1,815,970	2,880,000	320,233	1,860,110	3,173,764	200,227	511	506	469
17	1,046,752	1,626,350	2,880,000	419,729	2,329,332	2,981,655	264,092	501	496	469
18	650,604	1,532,730	2,880,000	294,264	1,896,550	3,439,122	220,055	491	486	900
19	738,000	1,663,290	2,880,000	255,904	1,634,766	1,955,409	179,925	15,891	22,016	1,013
20	736,970	1,832,890	2,880,000	287,549	1,583,290	3,161,017	183,950	570	466	797
21	792,188	1,827,620	2,880,000	317,464	1,641,665	3,364,765	192,296	11,481	16,847	966
22	785,911	1,794,230	2,880,000	311,373	1,781,426	3,484,691	196,608	521	486	460
23	1,099,584	1,823,240	2,880,000	419,867	2,110,588	3,029,945	234,504	521	476	441
24	1,100,119	1,805,780	2,880,000	350,316	1,909,153	3,216,238	216,990	501	466	385
25	622,158	1,431,720	2,280,000	341,179	1,931,864	3,375,692	228,501	560	496	910
26	527,218	1,405,720	2,280,000	241,169	1,492,273	3,016,841	155,963	11,589	15,319	975
27	355,535	626,020	960,000	280,963	1,490,788	2,890,487	153,085	491	506	431
28	226,257	622,440	960,000	269,076	1,555,793	2,771,381	170,669	16,372	21,718	535
29	308,802	621,040	960,000	201,770	1,159,382	2,866,159	106,349	511	466	460
30	260,218	619,900	960,000	275,930	1,591,894	2,779,559	196,756	540	466	450
Total	17,904,455	38,003,710	68,880,000	8,785,542	49,487,159	90,644,838	5,506,408	125,388	163,092	21,469

/1 Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations